



**DECLARATION AND POWER OF ATTORNEY**

As a below named inventor, I hereby declare that:

This declaration is of the following type:

- ☒ (X) original
- ☐ ( ) design
- ☐ ( ) supplemental
- ☐ ( ) national stage of PCT

My residence, post office address, and citizenship are as stated below next to my name, I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**"LOOP SYSTEMS AND METHODS OF USING THE SAME FOR CONVEYING AND DISTRIBUTING THERMAL ENERGY INTO A WELLBORE"**

the specification of which: (check one)

- ☐ ( ) is attached hereto.
- ☒ (X) was filed on October 6, 2003, as Application Serial No. 10/680,901, and was amended on -- (if applicable)
- ☐ ( ) was described and claimed in PCT International Application No. -- filed on -- and as amended under PCT Article 19 on -- (if any).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information known to be material to the patentability of any claim in accordance with Title 37, Code of Federal Regulations, §1.56, and which is material to the examination of this application, namely, information where there is a substantial likelihood that a reasonable examiner would consider it important in deciding whether to allow the application to issue as a patent.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

PRIOR FOREIGN APPLICATION(S)

<u>Number Claimed</u>	<u>Country</u>	<u>Day/Month/Year Filed</u>	<u>Priority</u>
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- NONE -

☐ Yes ☐ No

☐ Yes ☐ No

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below:

<u>Number Claimed</u>	<u>Month/Day/Year Filed</u>
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This declaration is of the following type: (if applicable)

- ☐ divisional
- ☐ continuation
- ☐ continuation-in-part (CIP)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application:

<u>Application Serial No.</u>	<u>Filing Date</u>	<u>Status Patented/Pending/Abandoned</u>
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POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith; and as agents to represent me before all the competent international Authorities in connection with any international applications filed with any Receiving Office under the Patent Cooperation Treaty claiming priority to this application, and to make or receive payments on my behalf. WILLIAM E. SHULL, Reg. No. 29,438; MICHAEL D. McCULLY, Reg. No. 29,566, MARK ANDREW SMITH, Reg. No. 30,220, PAUL I. HERMAN, Reg. No. 37,349; WILLIAM M. IMWALLE, Reg. No. 35,904; CLIVE MENEZES, Reg. No. 45,493; SCOTT F. WENDORF, Reg. No. 48,029; WILLIAM R. PEOPLES, Reg. No. 25,906, ROBERT A. KENT, Reg. No. 28,626 CRAIG W. RODDY, Reg. No. 36,256; and JOHN W. WUSTENBERG, Reg. No. 35,415 of **HALLIBURTON ENERGY SERVICES, INC.**, P. O. Box 819052, Dallas, Texas 75381-9052 and MICHAEL W. PIPER, Reg. No. 39,800; RODNEY B. CARROLL, Reg. No. 39,624; KRISTIN JORDAN HARKINS, Reg. No. 37,859; GENE C. VALLOW, Reg. No. 40,856; SHANNON W. BATES, Reg. No. 47,412; J. ROBERT BROWN, JR., Reg. No. 45,438; and ALBERT C. METRAILER, Reg. No. 27,145 of CONLEY ROSE, 5700 Granite Parkway, Suite 330, Plano, Texas 75024-6616.

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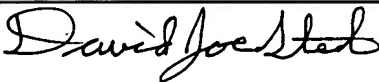
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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

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